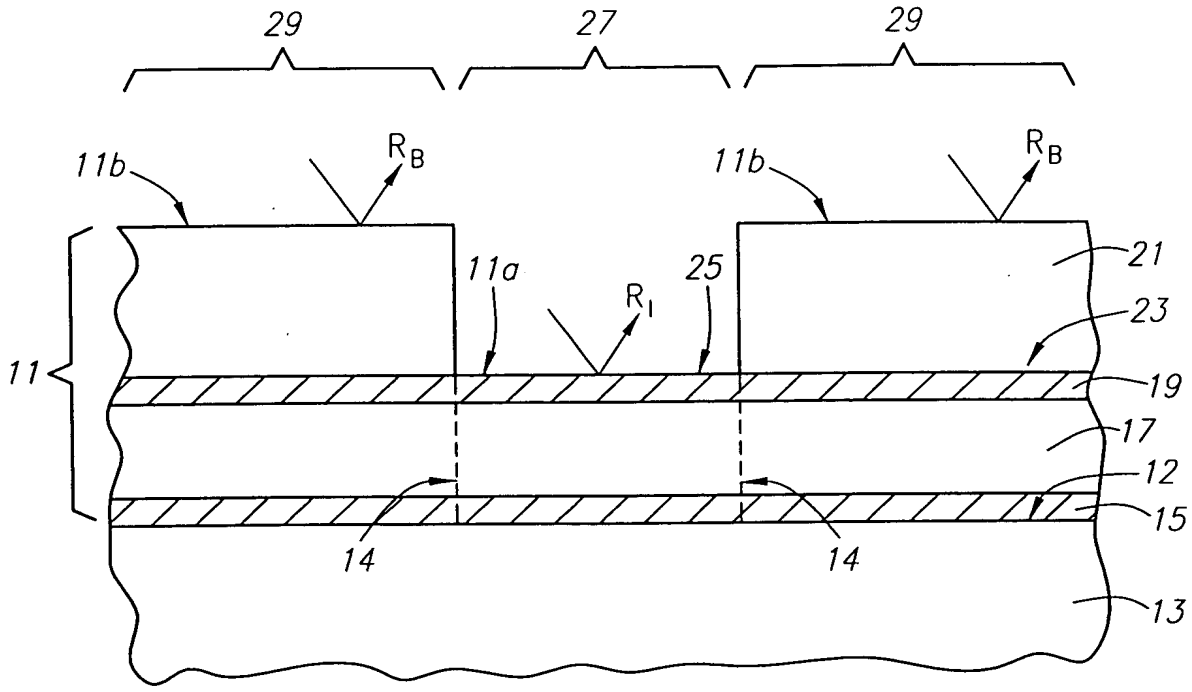

FIG. 1

DEPENDANT VARIABLE / OPTICAL CHARACTERISTIC	HIGH TRANSMISSION, T>=30% (WINDSHIELDS, WINDOWS)	LOW TRANSMISSION, T<20% (SUNGLASSES)	LOW REAR VISIBILITY	LOW REAR REFLECTION (WINDOWS)	BRIGHT HIGH REFLECTIVE COLORS
LOWER METAL LAYER THICKER THAN UPPER			+		
UPPER METAL LAYER THICKER THAN LOWER				+	+
TINTED SUBSTRATE T=60% ± 10%		+	+		
TOTAL METAL THICKNESS <=5.0nm	+				
TOTAL METAL THICKNESS 6.0–8.0nm		+			

FIG. 2

JaxOrzi: Reflectance

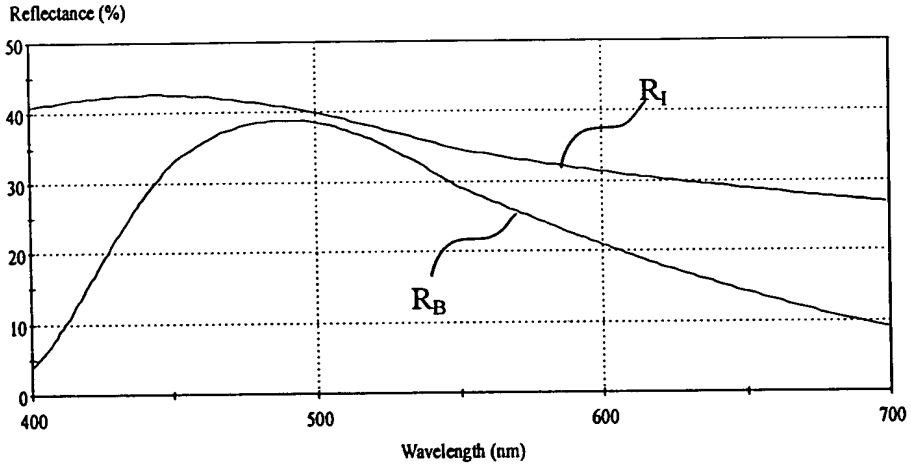

FIG. 3

JaxOrzi: Transmittance

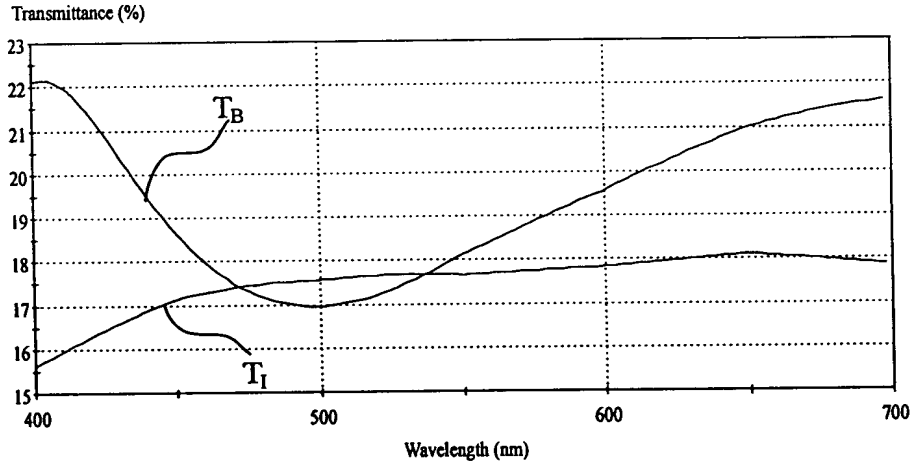

FIG. 4

JaxOrzi: Reflectance

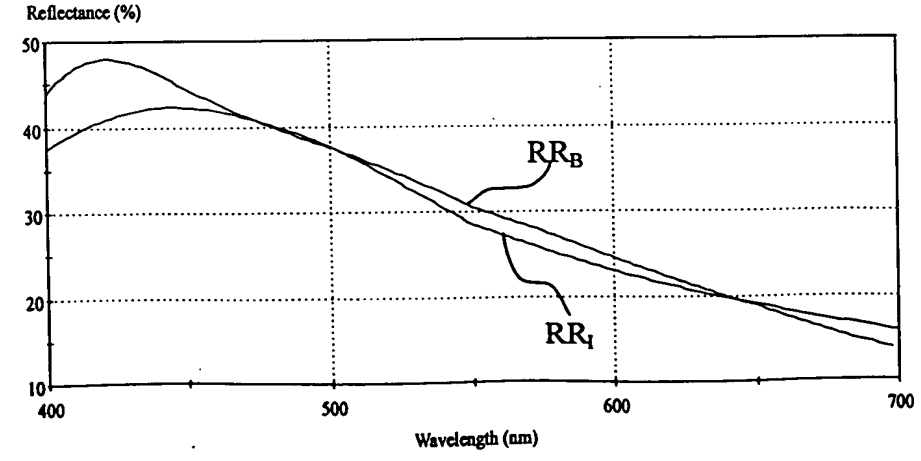

FIG. 5

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	59.9	49.2	60.2	58.7
	a	-19.3	-0.1	-7.1	-11.3
	b	-5.7	1.3	-17.3	-19.5
BACKGROUND	L	65.4	50.1	61.4	60
	a	-3.6	4.5	-6.2	-11.5
	b	-9.5	-0.24	-17.8	-19.5
	DELTA E	17.06	4.93	1.58	1.32
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 6

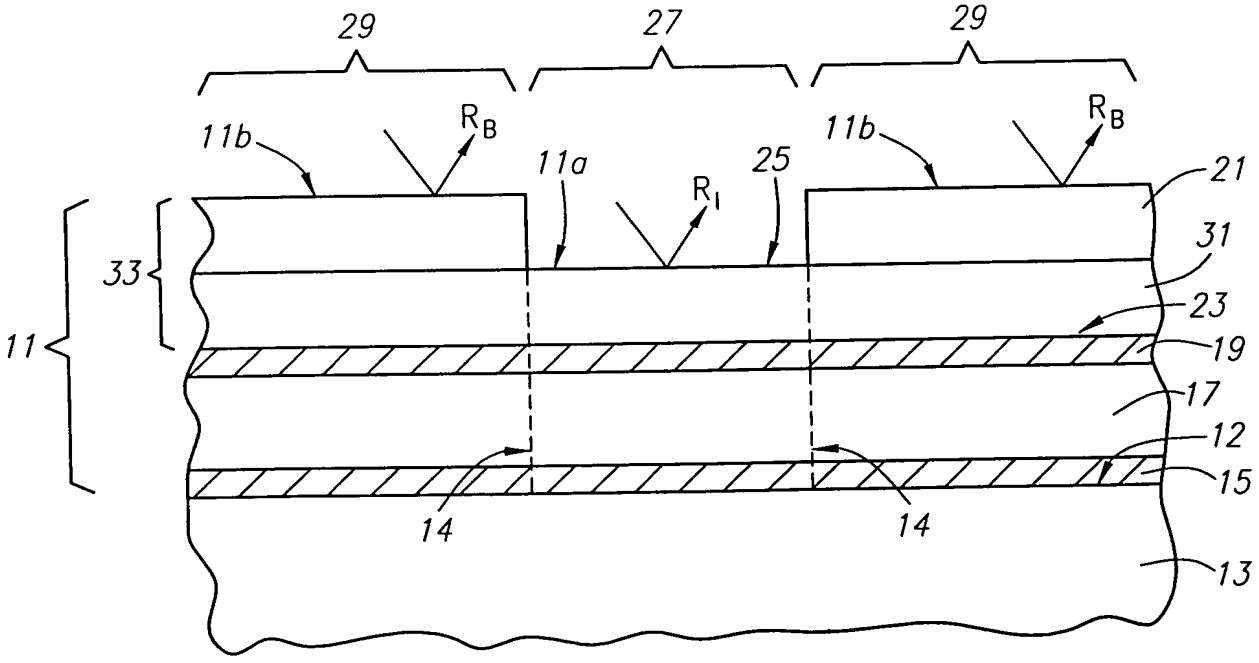

FIG. 7

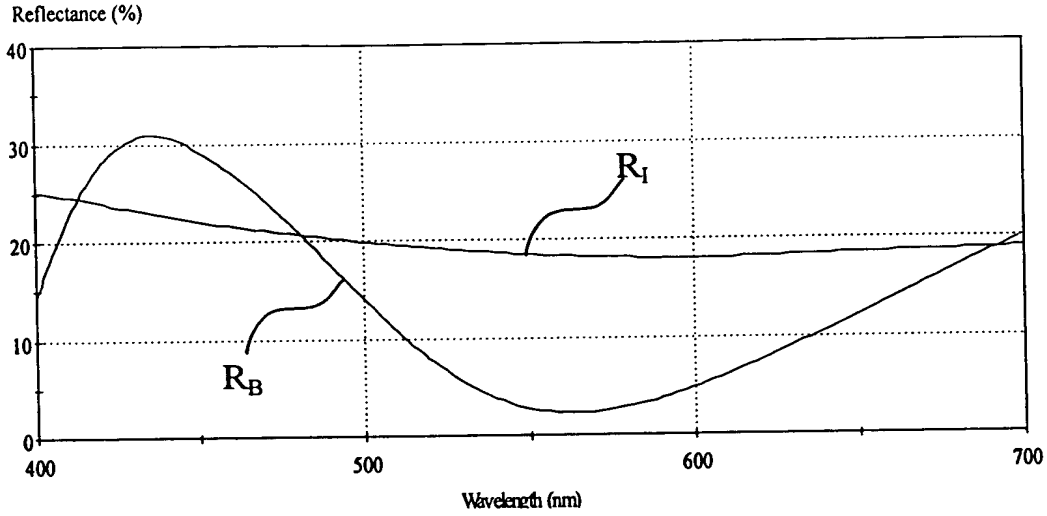

FIG. 8

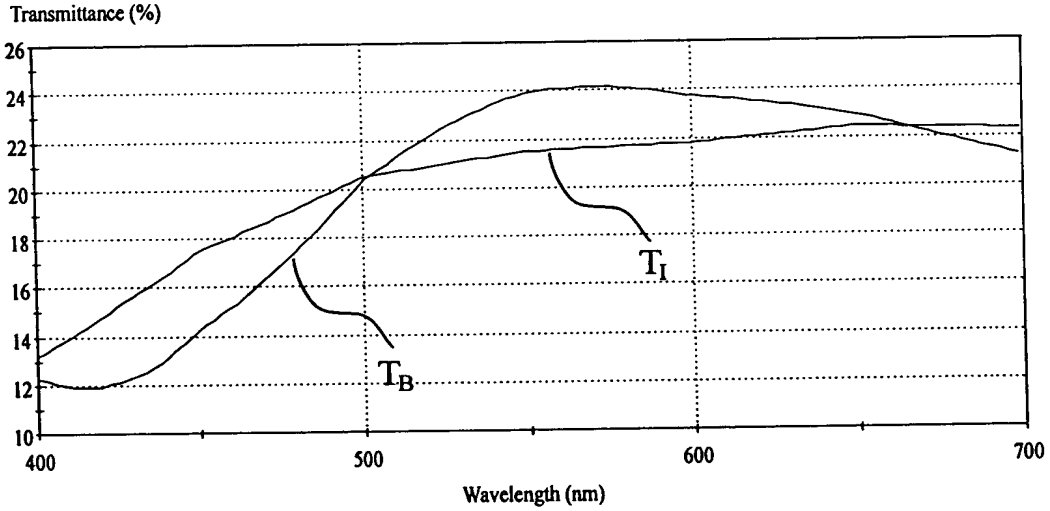

FIG. 9

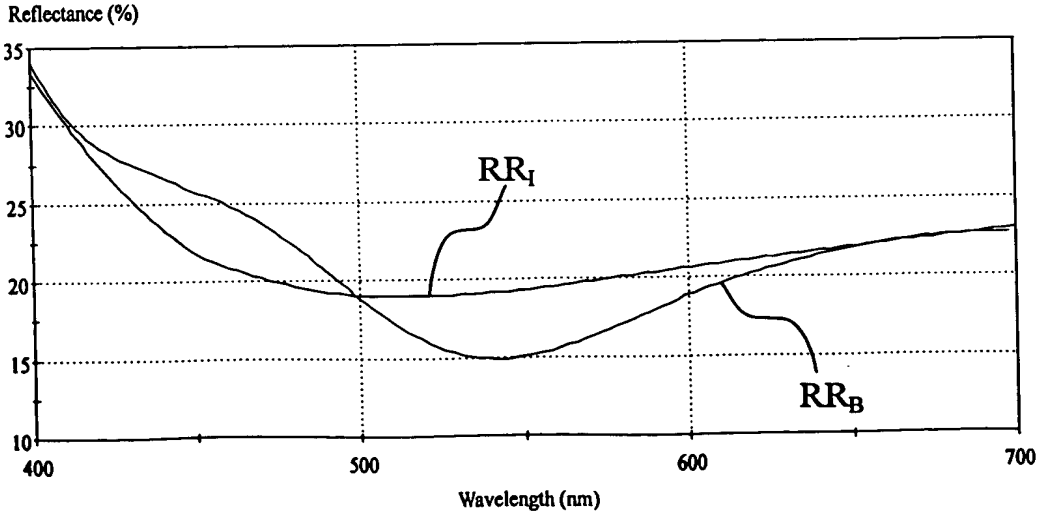

FIG. 10

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	50.3	53.3	51.6	51.9
	a	1	−1.2	4.9	3.5
	b	−6.1	7.3	−4.2	−3
BACKGROUND	L	29.7	55.1	48.5	48.9
	a	27.3	−3.7	11.8	8.6
	b	−48.6	16.1	−14.4	−12.8
	DELTA E	54.06	9.32	12.70	11.45
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 11

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	44.5	61.9	52.4	53
	a	0.5	0.5	1.4	3.2
	b	2.7	0.5	9.2	9.6
BACKGROUND	L	37.4	61.7	50.5	51.5
	a	33.2	−5.6	7.6	6.5
	b	−14.6	5	5.5	8.1
	DELTA E	37.67	7.58	7.47	3.92
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 12

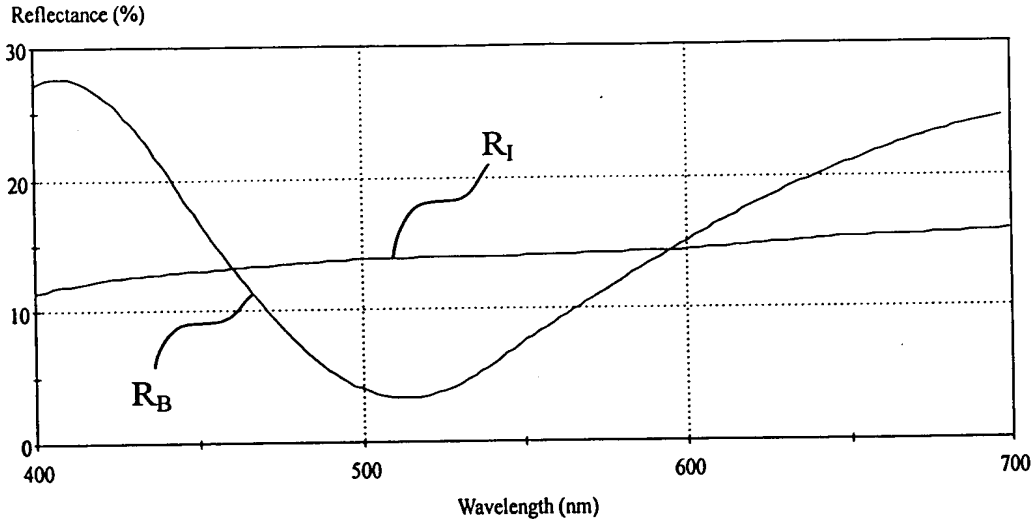

FIG. 13

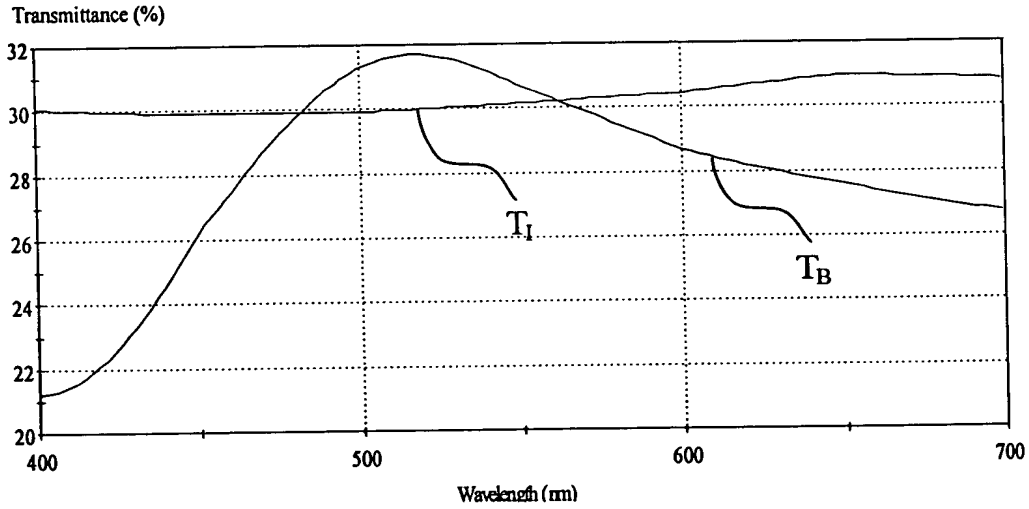

FIG. 14

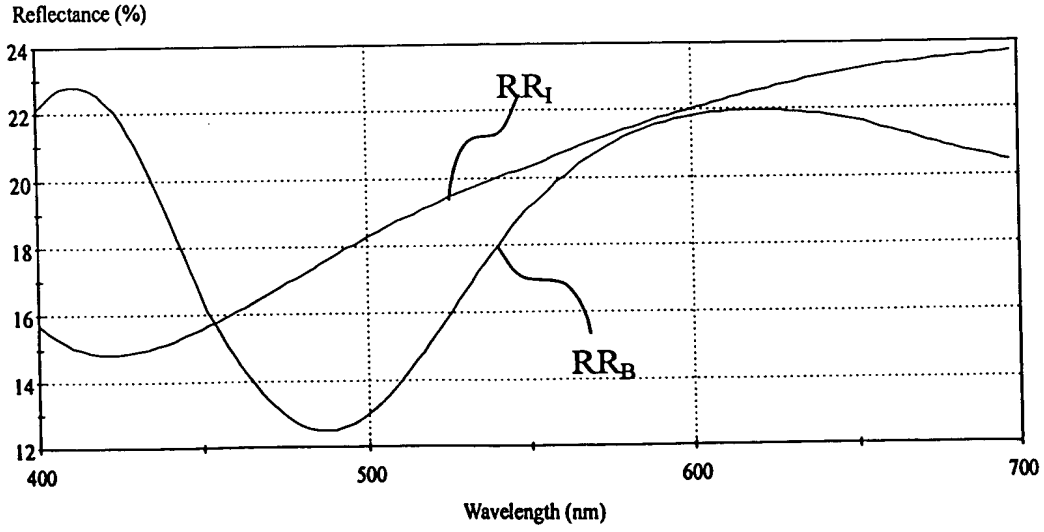

FIG. 15

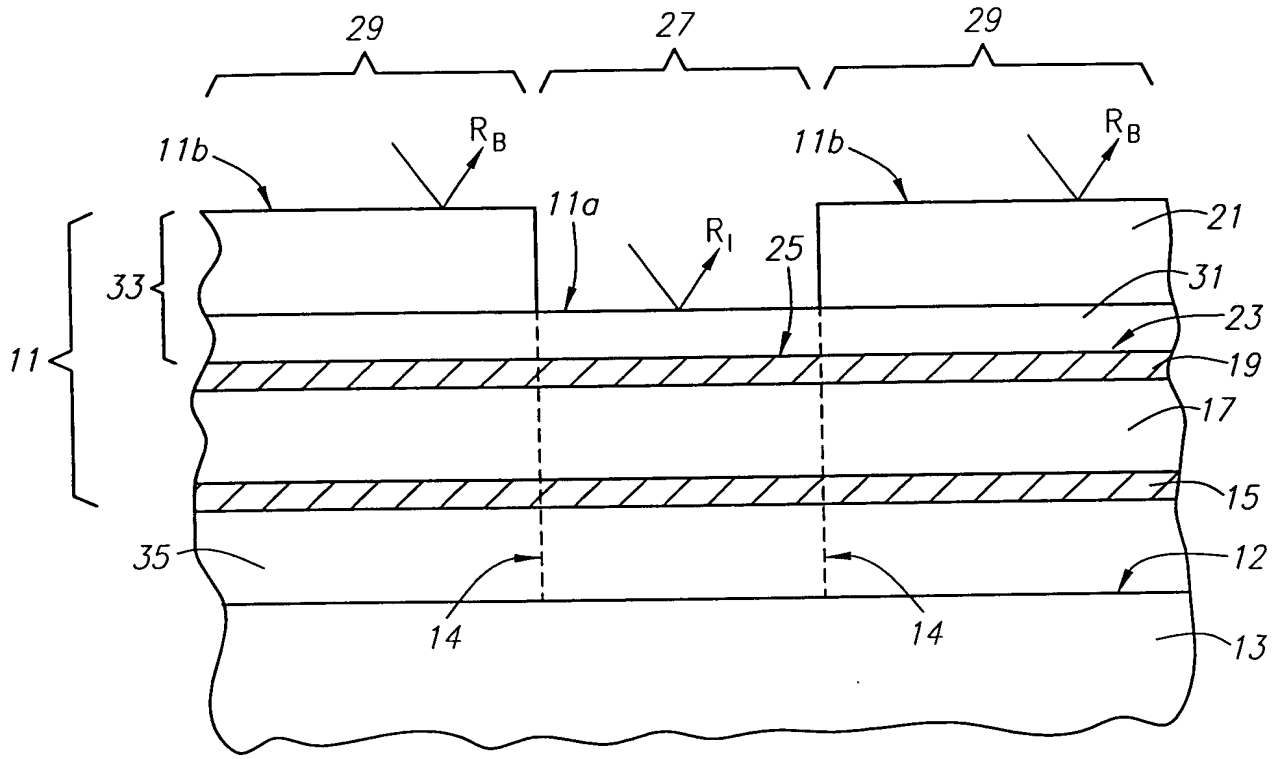

FIG. 16

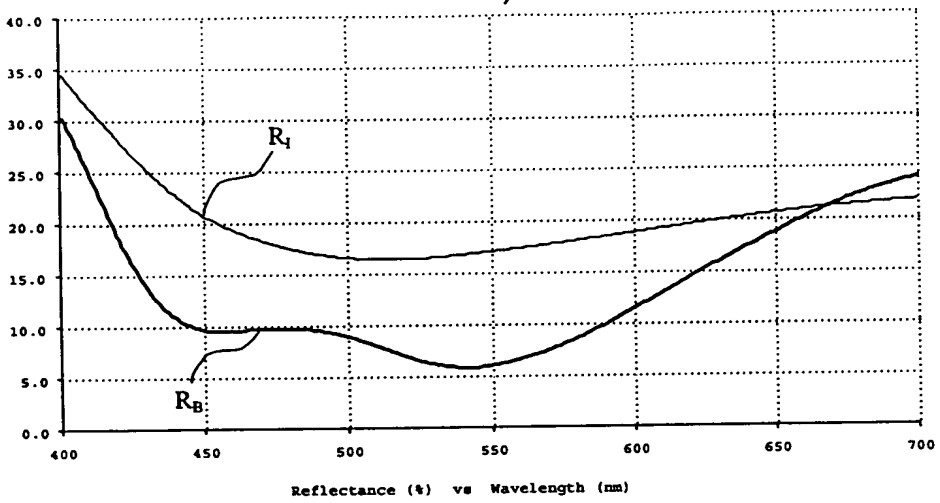

FIG. 17

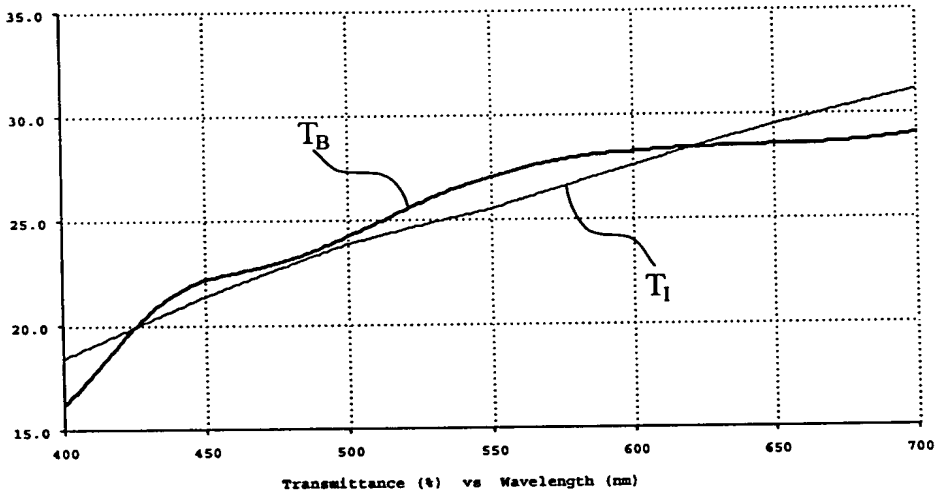

FIG. 18

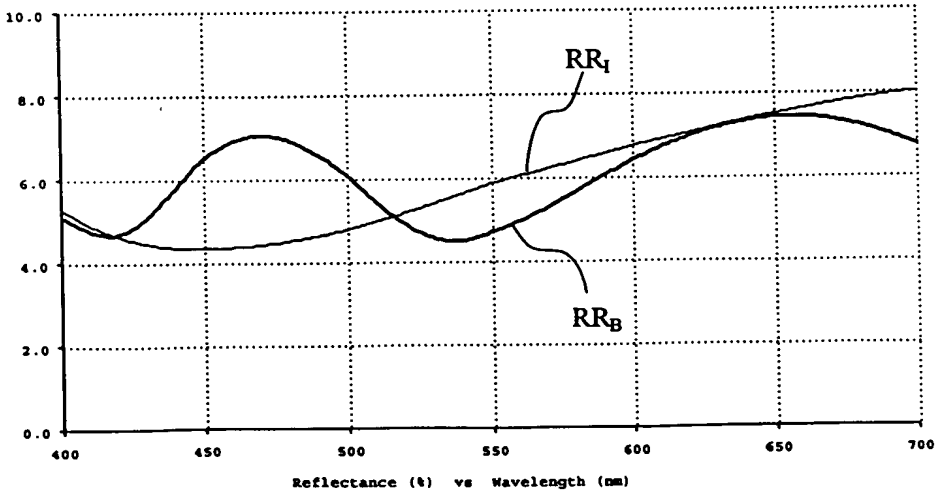

FIG. 19

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	49.2	58	n/a	29.4
	a	12.8	7	n/a	−3
	b	−3.7	11.2	n/a	−21.9
BACKGROUND	L	36	59	n/a	28.4
	a	24.5	5.5	n/a	0.5
	b	−4.6	11.9	n/a	−35.2
	DELTA E	17.66	1.93	n/a	13.79
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 20

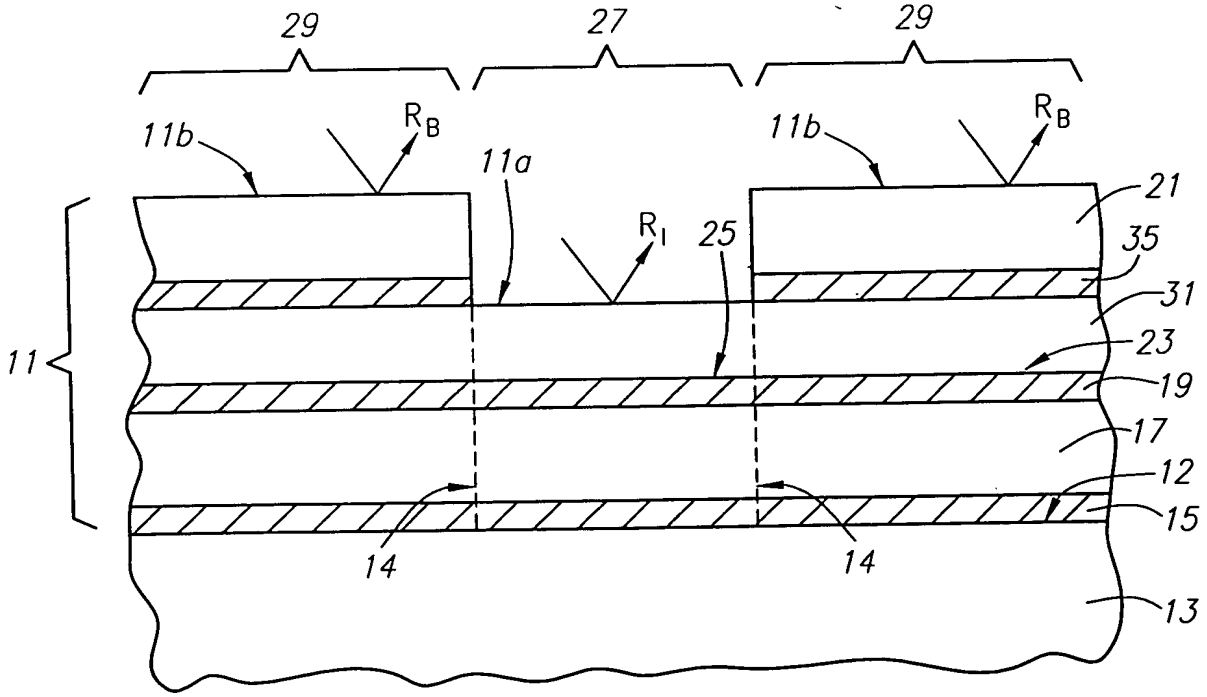

FIG. 21

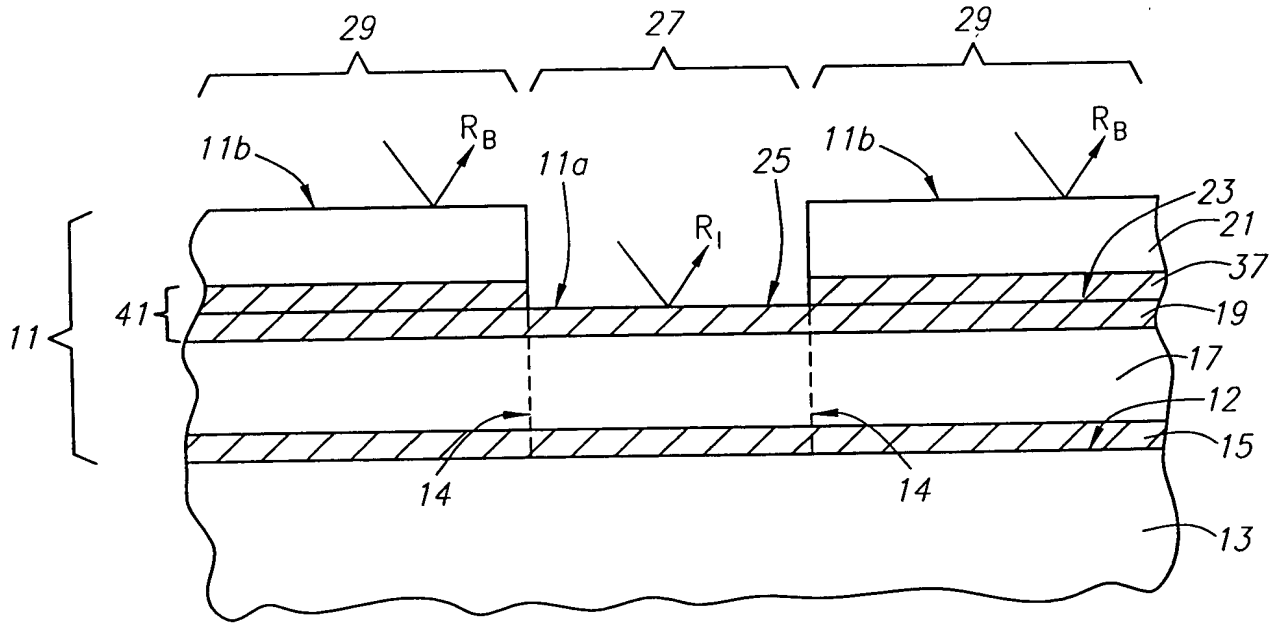
29
27
29
11b
R_B
11a
25
11b
R_B
23
21
R_I
37
41
11
19
17
12
15
14
14
13

FIG. 22

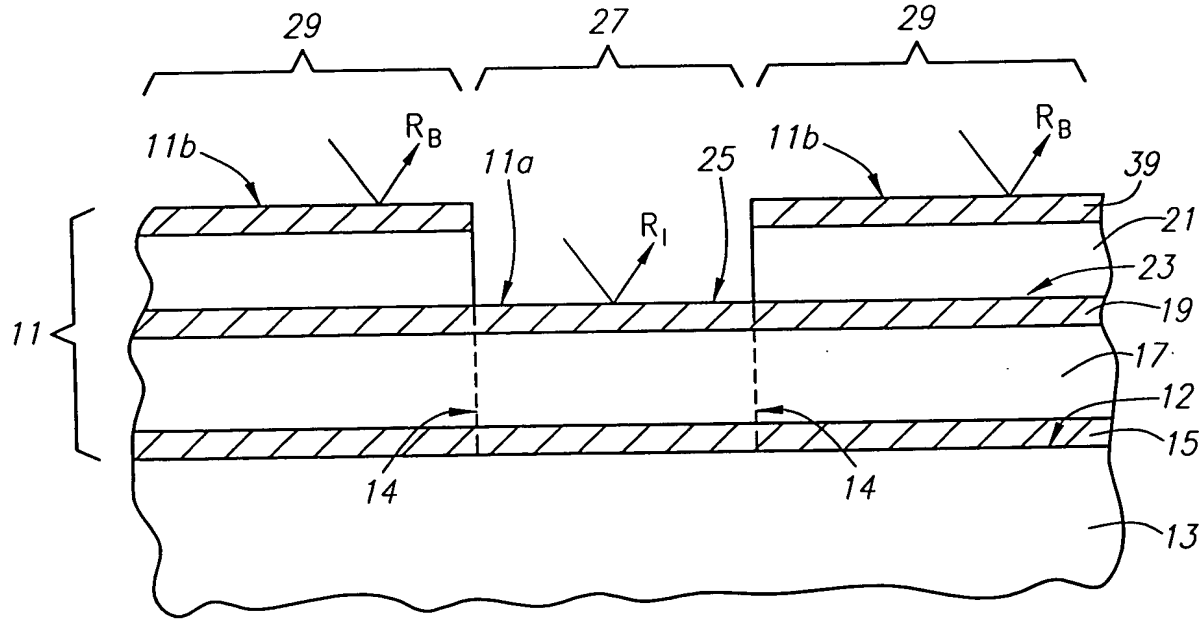
29
27
29
11b
R_B
11a
25
11b
R_B
39
21
R_I
23
11
19
17
12
15
14
14
13

FIG. 23

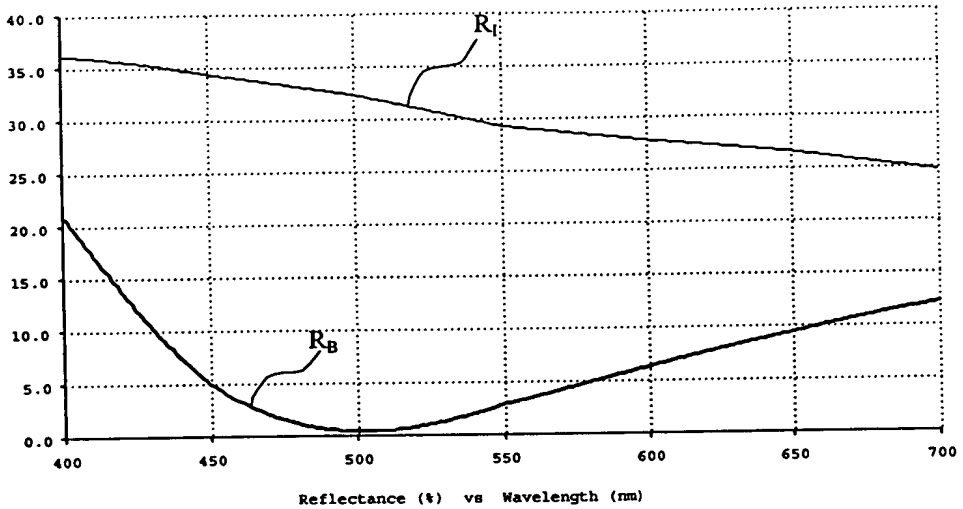

FIG. 24

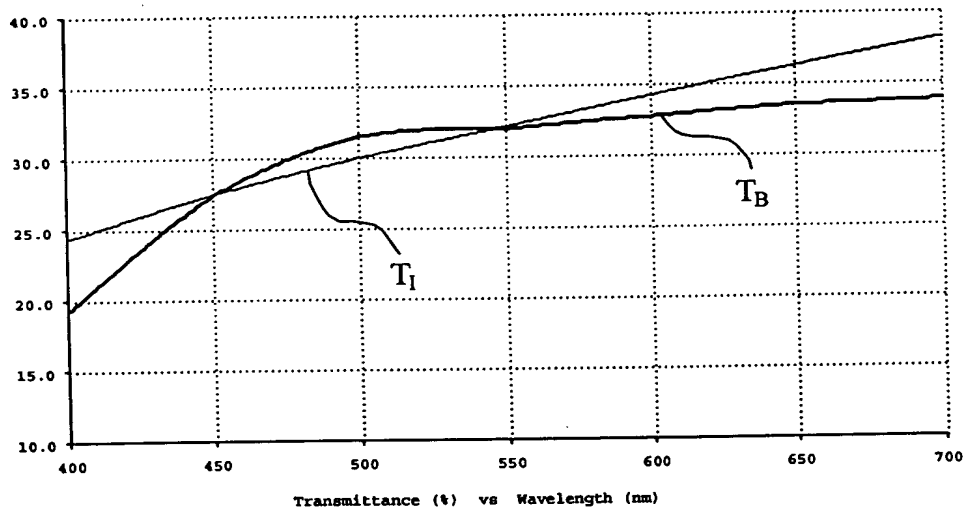

FIG. 25

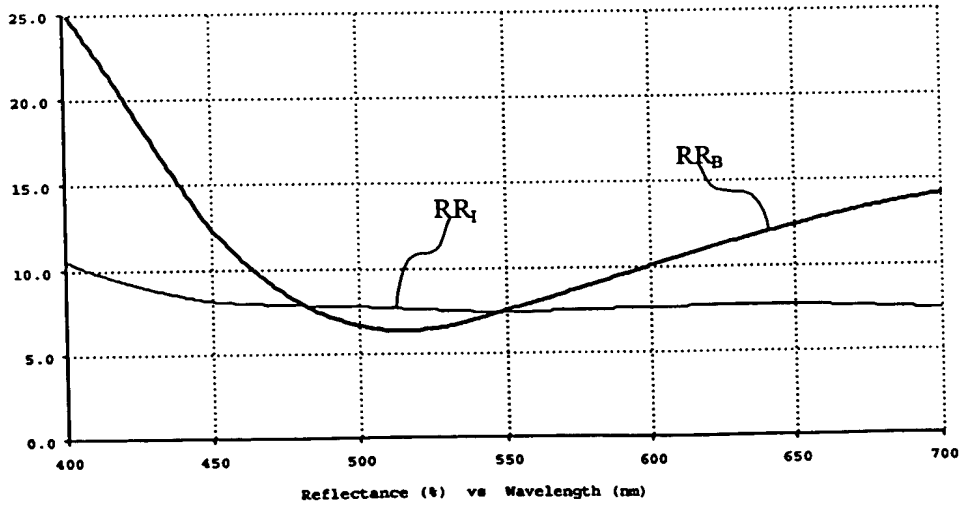

FIG. 26

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	61.1	63.8	n/a	33
	a	4.6	7.3	n/a	-5.2
	b	-3.1	11	n/a	-38.5
BACKGROUND	L	23.6	63.6	n/a	35.1
	a	31.1	4.2	n/a	9
	b	-6.5	10.9	n/a	-53.7
	DELTA E	46.04	3.11	n/a	20.91
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D65	D65	D65	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG 27

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	63.5	51.6	48.3	48.7
	a	1	-1.5	4.3	4
	b	-5.7	8.5	-0.2	0.8
BACKGROUND	L	18.6	51.8	43.4	45.1
	a	37.8	-3.8	13.8	14.1
	b	-28.2	9.8	10.1	13.8
	DELTA E	62.26	2.65	14.84	16.85
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 28

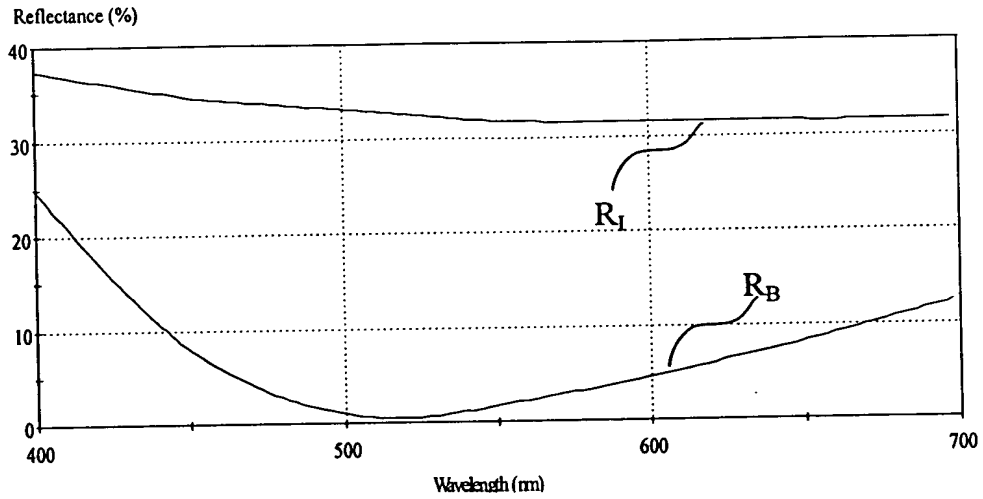

FIG. 29

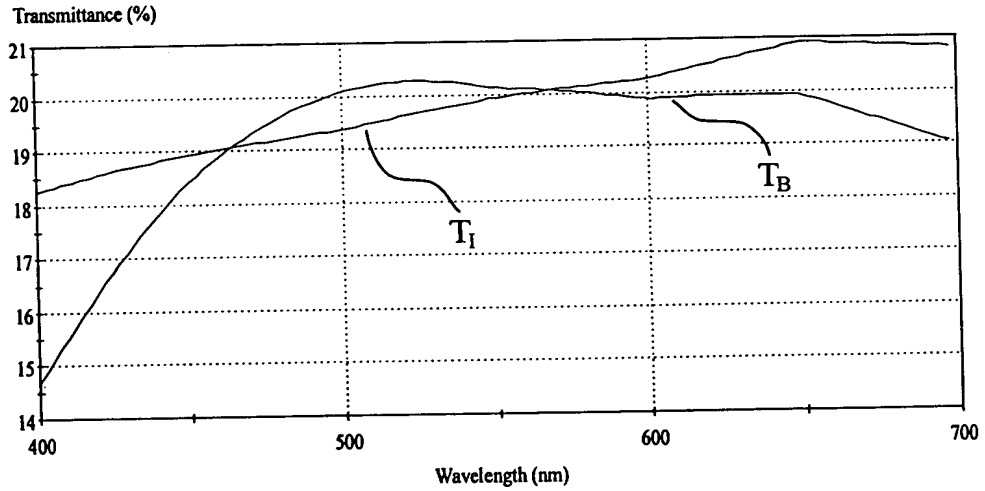

FIG. 30

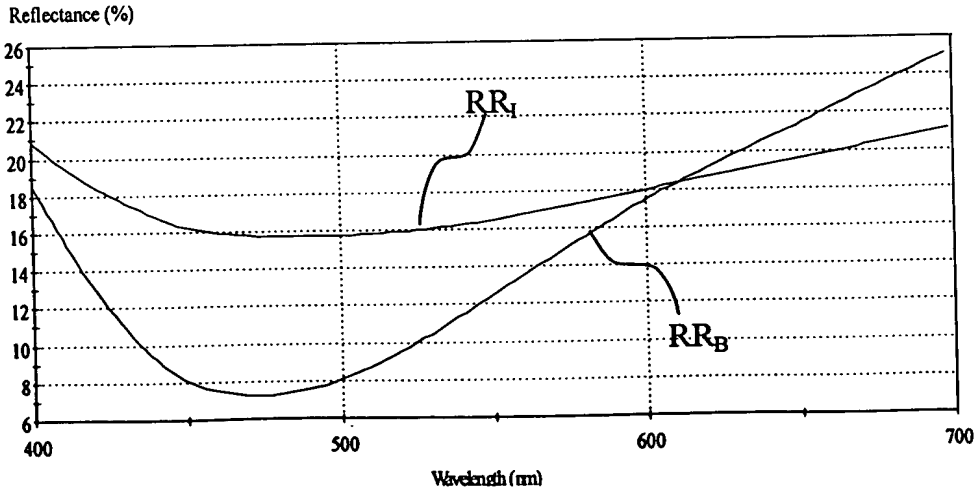

FIG. 31

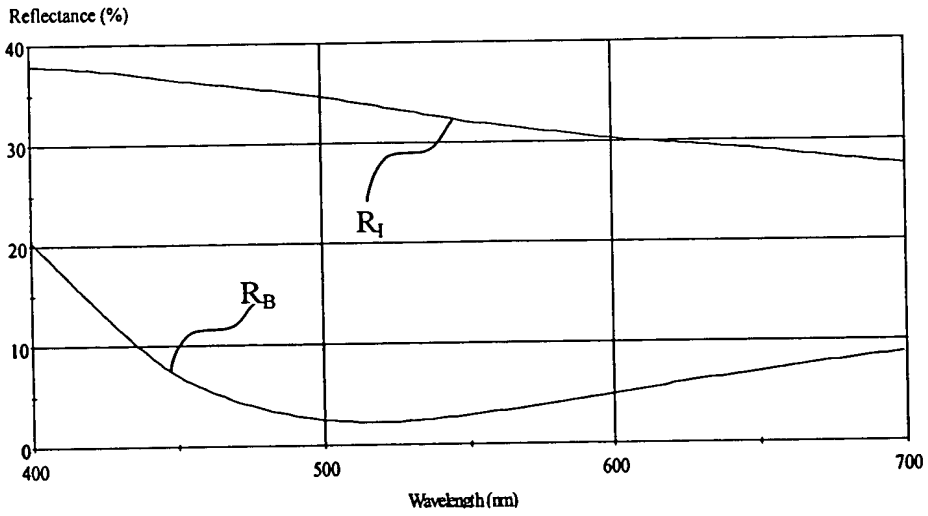

FIG. 32

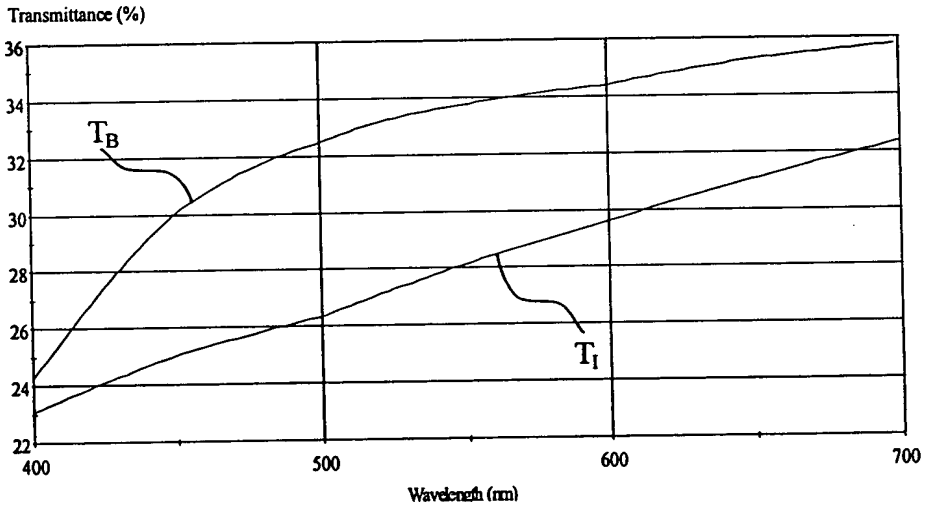

FIG. 33

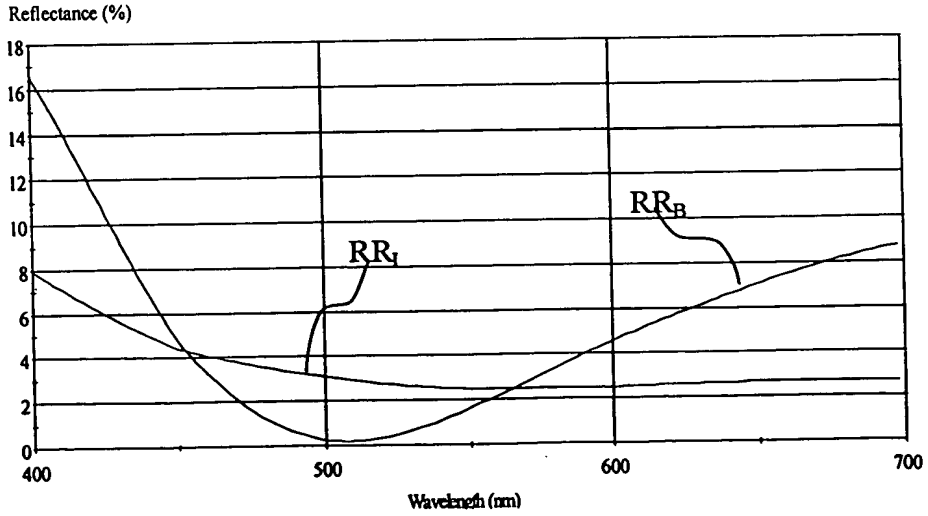

FIG. 34

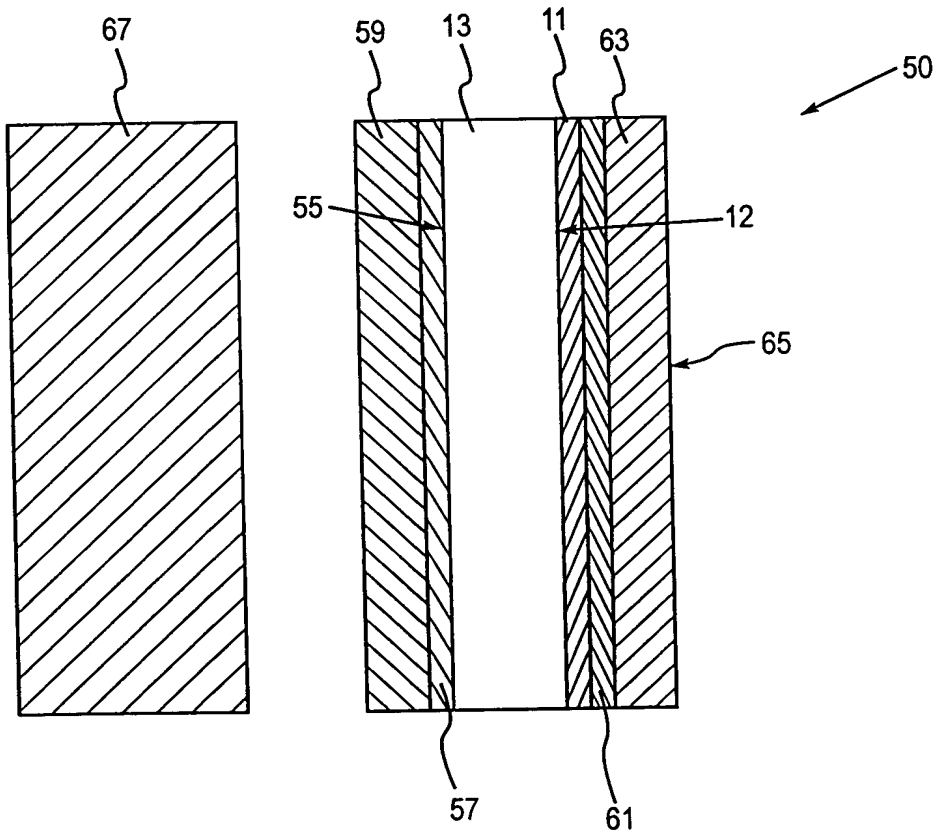

FIG. 35

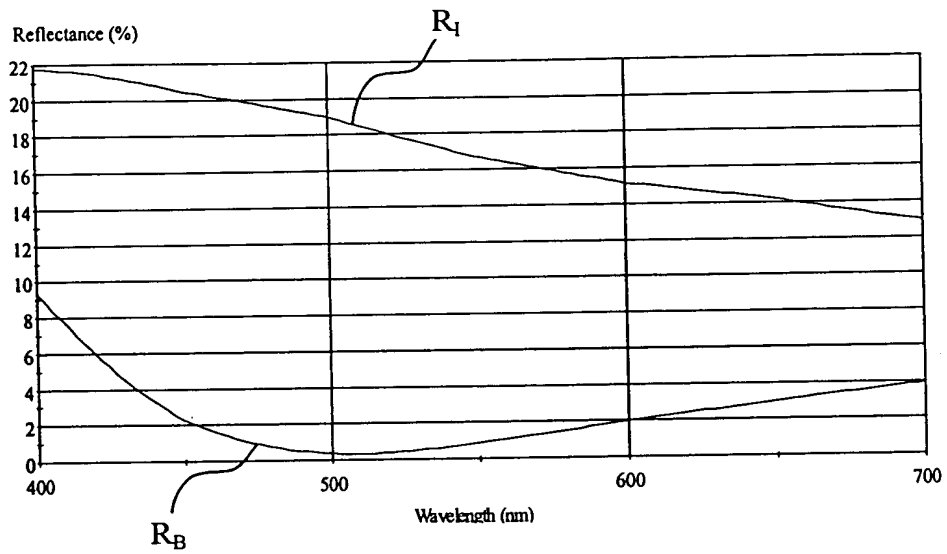

FIG. 36

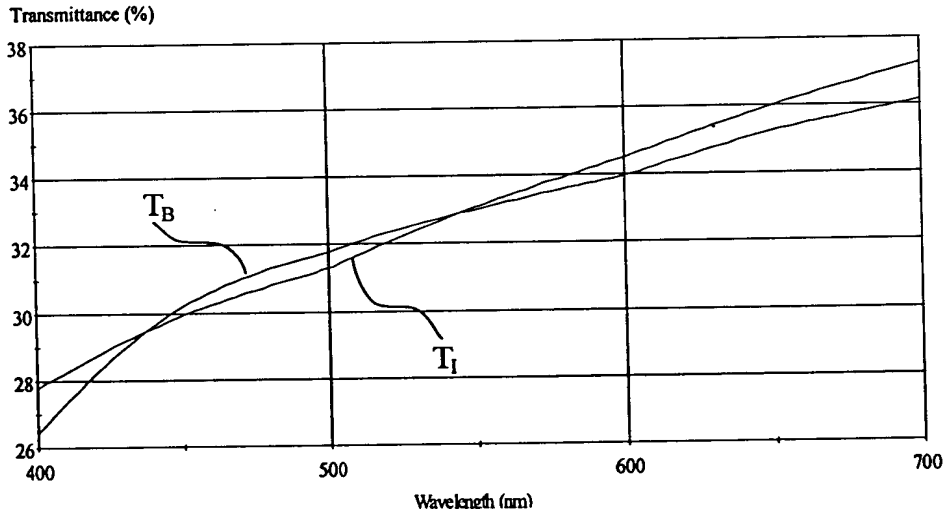

FIG. 37

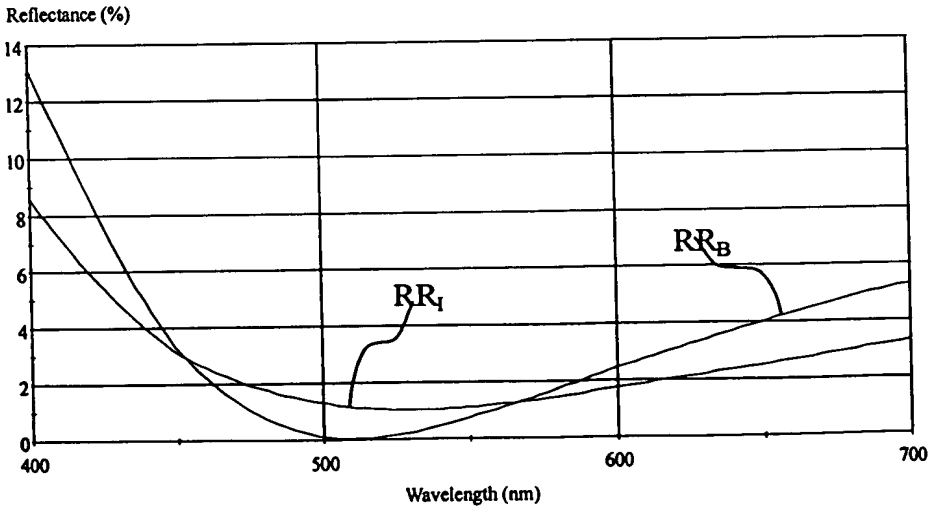

FIG. 38

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	47.9	64.3	12.6	n/a
	a	−1.5	1	9.7	n/a
	b	−7.5	4.6	−11.8	n/a
BACKGROUND	L	10.4	64.2	13.4	n/a
	a	22	0.3	20.9	n/a
	b	−12.3	4.1	−10.4	n/a
	DELTA E	44.51	0.87	11.32	n/a
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D65	D65	A	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 39

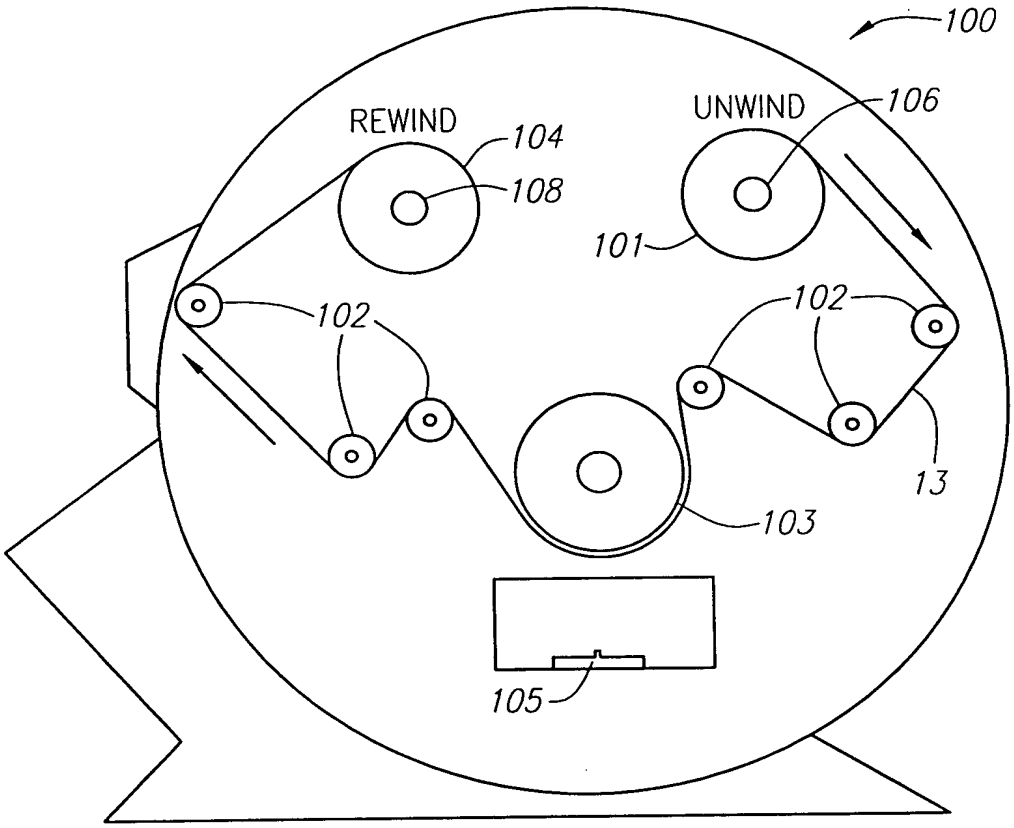

FIG. 40
(PRIOR ART)